

LYNCHBURG CITY COUNCIL
Agenda Item Summary

MEETING DATE: **March 12, 2002**

AGENDA ITEM NO.: 21

CONSENT:

REGULAR: **X**

CLOSED SESSION:
(Confidential)

ACTION: **X**

INFORMATION:

ITEM TITLE: **Army Corps of Engineers (ACOE) Design Agreement for CSO Projects**

RECOMMENDATION: Authorize the City Manager to execute an agreement with the ACOE for the design of CSO Program Projects.

SUMMARY: The ACOE has received a grant of \$840,000 from Congress to assist the City with the implementation of its CSO program. By signing the agreement, the City will obligate \$280,000 to the ACOE as the City's share of the grant. The City is requesting the ACOE to implement the design of several future CSO Program projects. This will allow the City to have various sized projects available to bid to meet the ever-changing funding situation. The ACOE will accomplish this design work utilizing an existing contract with a local engineering firm. The project design list will include separation and interceptor replacement projects. The projects are consistent with the approved CSO Long Term Control Plan priority list.

PRIOR ACTION(S): None

FISCAL IMPACT: The total cost of the project is \$1,392,500 which includes grant eligible sewer design costs of \$1,120,000 and non-eligible sewer and water design costs of \$272,500. All City funds have been previously appropriated. The project will utilize the following sources of financing:

Federal grant	\$840,000
Existing bond proceeds	280,000
Existing bond proceeds	<u>272,500</u>

Project total	\$1,392,500
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Prior to beginning design work, the City will be required to pay the \$280,000 local match to the ACOE. As the design work progresses, the City will receive reimbursement of the \$280,000 local match from an existing State grant.

In addition to the grant match, funds are also needed for the non-eligible design costs for new curb and gutter to improve sub-standard, neighborhood roadways, minor roadway widening where feasible and the replacement of small-diameter (4" or less) waterlines with larger lines to improve fire protection and replacement of sub-standard water services.

Funds amounting to \$552,500 are available from the following:

<u>Item</u>	<u>Appropriation Balance, 7/1/01</u>	<u>YTD Authorized</u>	<u>Appropriation Balance, 3/12/02</u>
CSO Separation Projects FY '02 CIP, p. 387	\$4,575,000		\$4,575,000
Dist. System Improvements FY '02 CIP, p. 407	<u>\$ 600,000</u>	<u>\$ 9,000</u>	<u>\$ 591,000</u>

CONTACT(S): Bruce McNabb, Dir. Of Public Works, 847-1823 (Ext. 268)
Greg Poff, CSO Program Manager, 847-1322, (Ext.111)

ATTACHMENT(S): Resolution
Project Budgets and Descriptions

REVIEWED BY:

Resolution:

BE IT RESOLVED That the City Manager, L. Kimball Payne, III, is authorized to execute an agreement with the Department of the Army Corps of Engineers, to design Combined Sewer Overflow Projects.

Adopted:

Certified:

Clerk of Council

041L

Attachment

The proposed budget for the project is as follows:

			ACOE Grant	City's Share of Design Costs					
			Eligible Sewer	Ineligible Sewer		Water			
City Project #	Item	Project / Description	Consultant/ ACOE	Consultant	City	Consultant	City	City Design Total	Project Total
01087-S	A.	JRI, Div 3	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
01088-S	B.	CSO 12.2	\$200,000	\$75,000	\$15,000	\$20,000	\$2,500	\$112,500	\$312,500
01089-S	C.	CSO 12.1	\$105,000	\$20,000	\$10,000	\$20,000	\$2,500	\$52,500	\$157,500
01090-S	D.	Meeting House Br Outfall	\$65,000	\$0	\$5,000	\$0	\$0	\$5,000	\$70,000
01091-S	E.	Monroe & 1st St Outfall	\$30,000	\$0	\$5,000	\$0	\$0	\$5,000	\$35,000
01092-S	F.	Pigeon Creek Outfall, Phase 2	\$100,000	\$0	\$5,000	\$0	\$0	\$5,000	\$105,000
01093-S	G.	CSO 18.2	\$150,000	\$25,000	\$15,000	\$45,000	\$2,500	\$87,500	\$237,500
01094-S	H.	TV of sewers for CSO work	\$70,000	\$0	\$5,000	\$0	\$0	\$5,000	\$75,000
		ACOE Contract Administration	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
		Sub-totals		\$120,000	\$60,000	\$85,000	\$7,500		
		Project Totals	**\$1,120,000					\$272,500	\$1,392,000

**City's local share of eligible sewer costs is 25% or \$280,000

A specific scope of work for each project is detailed below:

A. JAMES RIVER INTERCEPTOR REPLACEMENT, DIVISION 3 (01087-S)

Design of 2,500 feet of 72-inch replacement interceptor designated as James River Interceptor, Division 3. This division begins at the John Lynch Bridge and continues through the riverfront re-development area and connects into an existing 60" aerial crossing over Blackwater Creek. The estimated construction cost of this project is \$4,100,000.

B. CSO PROJECT 12.2 (01088-S)

Design of new storm sewer, rehabilitation of existing sewers for use as sanitary sewers and replacement of existing small diameter water lines with new 8-inch water lines in the Thomas Road area. The estimated construction cost of this project is \$5,500,000, with \$3,700,000 being CSO eligible, \$1,500,000 being non-eligible, and \$300,000 for water lines.

C. CSO PROJECT 12.1 (01089-S)

Design of new storm sewer, rehabilitation of existing sewers for use as sanitary sewers and replacement of existing small diameter water lines with new 8-inch water lines in the Stratford Road area. The estimated construction cost of this project is \$2,500,000, with \$2,100,000 being CSO eligible, \$50,000 being non-eligible, and \$350,000 for water lines.

D. MEETING HOUSE BRANCH INTERCEPTOR REPLACEMENT (01090-S)

Design of 3,000 feet of 24-inch replacement interceptor designated as Meeting House Branch interceptor. This portion of sewer replacement is from Blackwater Creek to near the Fifth Street Bridge. The estimated construction cost of this project is \$1,300,000.

E. MONROE STREET OUTFALL REPLACEMENT (01091-S)

Design of 1,800 feet of 18 and 24-inch replacement sewer designated as Monroe Street Outfall. Due to sediment build up from the City's College Hill Water Treatment Plant backwash, the sewer line needs to be replaced and increased in slope from Holland Street to 1st and Monroe Streets. The estimated construction cost of this project is \$700,000.

F. PIGEON CREEK OUTFALL REPLACEMENT, PHASE 2 (01092-S)

Design of 9,500 feet of 12 and 15-inch replacement sewer designated as Pigeon Creek Outfall, Phase 2. This project begins where the first phase of the Pigeon Creek interceptor ended, just west of Reusens Road. The replacement interceptor continues to parallel Reusens Road along the Creek until it crosses V.E.S. Road and continues along Pigeon Creek to Linden Avenue. The estimated construction cost of this project is \$2,000,000.

G. CSO PROJECT 18.2 (01093-S)

Design of new storm sewer, rehabilitation of existing sewers for use as sanitary sewers and replacement of existing small diameter water lines with new 8-inch water lines in the Radcliff Avenue area. The estimated construction cost of this project is \$4,000,000, with \$2,900,000 being CSO eligible, \$400,000 being non-eligible, and \$700,000 for water lines.

H. TELEVISIONING SEWERS

This task consists of televising approximately 50,000 feet of existing sewers for the above CSO projects to determine their condition and need for replacing the sewers. Only videotape and logs are to be provided.